Amendments to the Claims

1. (Currently amended) A process for producing a catalyst for gas-phase oxidations, ~~in which~~ the process comprising: applying a suspension of TiO_2 and V_2O_5 particles ~~is applied~~ to a fluidized inert support, wherein at least 90% by volume of the V_2O_5 particles have a diameter of 20 μm or less and at least 95% by volume of the V_2O_5 particles have a diameter of 30 μm or less.

2. (Original) The process according to claim 1, wherein at least 90% by volume of the V_2O_5 particles have a diameter of 15 μm or less and at least 95% by volume of the V_2O_5 particles have a diameter of 20 μm or less.

3. (Currently amended) The process according to claim 1 ~~or 2~~, wherein at least 50% by volume of the V_2O_5 particles have a diameter of more than 2 μm.

4. (Currently amended) The process according to ~~any of claims 1 to 3~~ claim 1, wherein the suspension further comprises ~~at least~~ one or more elements selected from the group consisting of cesium, phosphorus ~~and/or~~ and antimony source.

5. (Currently amended) The process according to ~~any of the proceeding claims~~ claim 1, wherein the catalytically active composition comprises from 1 to 40% by weight of vanadium oxide, calculated as V_2O_5, and from 60 to 99% by weight of titanium dioxide, calculated as TiO_2.

6. (Original) The process according to claim 5, wherein the catalytically active composition further comprises, based on the total amount of catalytically active composition, up to 1% by weight of a cesium compound, calculated as Cs, up to 1% by weight of a phosphorus compound, calculated as P, and up to 10% by weight of antimony oxide, calculated as Sb_2O_3.

7. (New) The process according to claim 2, wherein at least 50% by volume of the V_2O_5 particles have a diameter of more than 2 μm.

8. (New) The process according to claim 2, wherein the suspension further comprises one or more elements selected from cesium, phosphorus and antimony source.

9. (New) The process according to claim 2, wherein the catalytically active composition comprises from 1 to 40% by weight of vanadium oxide, calculated as V_2O_5, and from 60 to 99% by weight of titanium dioxide, calculated as TiO_2.

10. (New) The process according to claim 4, wherein the catalytically active composition comprises from 1 to 40% by weight of vanadium oxide, calculated as V_2O_5, and from 60 to 99% by weight of titanium dioxide, calculated as TiO_2.

11. (New) The process according to claim 1, wherein the suspension further comprises a cesium compound, a phosphorus compound and antimony oxide.

12. (New) The process according to claim 11, wherein the catalyst includes a catalytically active composition comprising:

1-40% by weight of vanadium oxide, calculated as V_2O_5, and from 60 to 99% by weight of titanium dioxide, calculated as TiO_2;

up to 1% by weight of a cesium compound, calculated as Cs, up to 1% by weight of a phosphorus compound, calculated as P; and

up to 10% by weight of antimony oxide, calculated as Sb_2O_3.

13. (New) A catalyst prepared by a process comprising:

providing a suspension of TiO_2 and V_2O_5 particles, wherein at least 90% by volume of the V_2O_5 particles have a diameter of 20 μm or less and at least 95% by volume of the V_2O_5 particles have a diameter of 30 μm or less;

and providing a fluidized support in a stream of flowing gas, and contacting the fluidized support with the suspension of TiO_2 and V_2O_5 particles to provide a supported catalyst, wherein the supported catalyst further comprises up to 1% by weight of a cesium compound, calculated

as Cs, up to 1% by weight of a phosphorus compound, calculated as P, and up to 10% by weight of antimony oxide, calculated as Sb_2O_3, based on the total weight percent catalyst.

14. (New) The catalyst according to claim 13, further comprising an outer layer with an Sb_2O_3 content that is 50% to 100% lower than the Sb_2O_3 content of an inner layer of the supported catalyst.

15. (New) The catalyst according to claim 1, wherein the flowing gas is at a temperature of from 60°C to 150°C.